

MAY 21 2001

1656
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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/673,739 DATE: 01/04/2001
 TIME: 08:46:45

Input Set : A:\ES.txt
 Output Set: N:\CRF3\01042001\I673739.raw

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3 <110> APPLICANT: MCCARTHY, Thomas Valentine
4 VAUGHAN, Patrick Martin
6 <120> TITLE OF INVENTION: A METHOD FOR THE CHARACTERISATION OF NUCLEIC ACID MOLECULES IN
7 GENERATION OF EXTENDIBLE UPSTREAM DNA FRAGMENTS RESULTING FROM THE CLEAVAGE OF
8 NUCLEIC ACID AT AN ABASIC SITE
10 <130> FILE REFERENCE: 1377-0156P
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/673,739
13 <141> CURRENT FILING DATE: 2000-10-20
15 <160> NUMBER OF SEQ ID NOS: 32
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 93
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 atcaagtacy gggagtcact gtgcttcgtg cag 93
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 93
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial
35 <220> FEATURE:
36 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens.
38 <400> SEQUENCE: 2
39 tccaaggaga agctggatgt ggcccccaag cgggaugugg agggcauggg cccccugag 60
41 aucaaguacg gggagucacu gugcuucgug cag 93
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 93
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens.
52 <400> SEQUENCE: 3
53 ctgcacgaag cacagtgact ccccgucuu gaucucaggg gggcccaugc ccuccacauc 60
55 ccgcuuaggg gccacaacca gcuucuccuu gga 93
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 25
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
65 ed cleavage and has a 3' phosphate group
67 <400> SEQUENCE: 4
68 ctgcacgaag cacagtgact ccccg 25
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 25
73 <212> TYPE: DNA
    
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74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
78     cleavage and has a 3' hydroxyl group
80 <400> SEQUENCE: 5
81 ctgcacgaag cacagtgaact ccccg          25
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 93
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
91     cleavage followed by extension of upstream fragment
93 <400> SEQUENCE: 6
94 ctgcacgaag cacagtgaact ccccgtaactt gatctcaggg gggcccatgc cctccacatc        60
96 ccgcttgggg gccacatcca gcttctcctt gga          93
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100 <211> LENGTH: 273
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
104 <400> SEQUENCE: 7
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107 atcaagtacg gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtggctcacc        120
109 tatgccgctc cagaccctca ggccttcggg ctgcggcgtgc tcaagaagaa ggccatgctg        180
111 caccaggagg gccacatgga cgacgcactg tcgctgaccc gctgccagca ggaggagtcc        240
113 caggccgccc gcatgatcca cagcaccaat ggc          273
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 273
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 8
122 tccaaaggaga agctggatgt ggcgcccaag cgggatgtgg agggcatggg cccccctgag        60
124 atcaagtaca gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtggctcacc        120
126 tatgccgctc cagaccctca ggccttcggg ctgcggcgtgc tcaagaagaa ggccatgctg        180
128 caccaggagg gccacatgga cgacgcactg tcgctgaccc gctgccagca ggaggagtcc        240
130 caggccgccc gcatgatcca cagcaccaat ggc          273
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 196
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediated
140     cleavage and upstream fragment extension, and has a 3' hydroge
141     n atom
143 <220> FEATURE:
144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (196)..(196)
146 <223> OTHER INFORMATION: mod_base = Dideoxy T
149 <400> SEQUENCE: 9

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RAW SEQUENCE LISTING DATE: 01/04/2001
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150 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgctggc agcgggtcag      60
152 cgacagtgcg tcgtccatgt ggcctcctg gtgcagcatg gccttcttct tgagcacgcc      120
154 gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtctg aggccacatg      180
156 ctgcacgaag cacagt                                     196
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 200
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial
164 <220> FEATURE:
165 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
166     ed cleavage followed by upstream fragment extension, and has a 3'
167     hydrogen atom
169 <220> FEATURE:
170 <221> NAME/KEY: modified_base
171 <222> LOCATION: (200)..(200)
172 <223> OTHER INFORMATION: mod_base = dideoxy T
175 <400> SEQUENCE: 10
176 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgctggc agcgggtcag      60
178 cgacagtgcg tcgtccatgt ggcctcctg gtgcagcatg gccttcttct tgagcacgcc      120
180 gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtctg aggccacatg      180
182 ctgcacgaag cacagtgcct                                     200
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 204
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
192     ed cleavage followed by upstream fragment extension, and has a 3'
193     hydrogen atom
195 <220> FEATURE:
196 <221> NAME/KEY: modified_base
197 <222> LOCATION: (204)..(204)
198 <223> OTHER INFORMATION: mod_base = Dideoxy T
201 <400> SEQUENCE: 11
202 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgctggc agcgggtcag      60
204 cgacagtgcg tcgtccatgt ggcctcctg gtgcagcatg gccttcttct tgagcacgcc      120
206 gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtctg aggccacatg      180
208 ctgcacgaag cacagtgcct ccct                                     204
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 206
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial
216 <220> FEATURE:
217 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
218     ed cleavage followed by upstream fragment extension, and has a 3'
219     hydrogen atom
221 <220> FEATURE:
222 <221> NAME/KEY: modified_base
223 <222> LOCATION: (206)..(206)

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224 <223> OTHER INFORMATION: mod_base = Dideoxy T
227 <400> SEQUENCE: 12
228 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tccgtctggc agcgggtcag      60
230 cgacagtgcg tcttccatgt ggcctctctg gtgcagcatg gccttcttct tgagcacgcc      120
232 gagccgcagg gccctgggggt ctggagcggc ataggtgagc cacagtctct aggccacatg      180
234 ctgcacgaag cacagtgaact ccccg      206
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 209
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial
242 <220> FEATURE:
243 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
244     ed cleavage followed by upstream fragment extension, and has a 3'
245     hydrogen atom
247 <220> FEATURE:
248 <221> NAME/KEY: modified_base
249 <222> LOCATION: (209)..(209)
250 <223> OTHER INFORMATION: mod_base = Dideoxy T
253 <400> SEQUENCE: 13
254 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tccgtctggc agcgggtcag      60
256 cgacagtgcg tcttccatgt ggcctctctg gtgcagcatg gccttcttct tgagcacgcc      120
258 gagccgcagg gccctgggggt ctggagcggc ataggtgagc cacagtctct aggccacatg      180
260 ctgcacgaag cacagtgaact cccgtact      209
263 <210> SEQ ID NO: 14
264 <211> LENGTH: 204
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
270     ed cleavage followed by upstream fragment extension, and has a 3'
271     hydrogen atom
273 <220> FEATURE:
274 <221> NAME/KEY: modified_base;
275 <222> LOCATION: (204)..(204)
276 <223> OTHER INFORMATION: mod_base = Dideoxy C
279 <400> SEQUENCE: 14
280 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tccgtctggc agcgggtcag      60
282 cgacagtgcg tcttccatgt ggcctctctg gtgcagcatg gccttcttct tgagcacgcc      120
284 gagccgcagg gccctgggggt ctggagcggc ataggtgagc cacagtctct aggccacatg      180
286 ctgcacgaag cacagtgaact cccc      204
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 54
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 15
295 aacttggtgt agttggagct ggtggcgtag gcaagagtgc cttgacgata cagc      54
298 <210> SEQ ID NO: 16
299 <211> LENGTH: 54
300 <212> TYPE: DNA

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301 <213> ORGANISM: Homo sapiens
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (1)..(54)
306 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
309 <400> SEQUENCE: 16
310 aacttqtggt agttggagct gguggcguag gcaagagugc cuugacgaa cagc          54
313 <210> SEQ ID NO: 17
314 <211> LENGTH: 54
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (1)..(54)
321 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
324 <400> SEQUENCE: 17
325 gctgtatcgt caaggcactc ttgcctacgc caccagcucc aacuaccaca aguu          54
328 <210> SEQ ID NO: 18
329 <211> LENGTH: 54
330 <212> TYPE: DNA
331 <213> ORGANISM: Homo sapiens
333 <220> FEATURE:
334 <221> NAME/KEY: misc_feature
335 <222> LOCATION: (1)..(54)
336 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
339 <400> SEQUENCE: 18
340 aacttgtggt agttggagct gauggcguag gcaagagugc cuugacgaa cagc          54
343 <210> SEQ ID NO: 19
344 <211> LENGTH: 54
345 <212> TYPE: DNA
346 <213> ORGANISM: Homo sapiens
348 <220> FEATURE:
349 <221> NAME/KEY: misc_feature
350 <222> LOCATION: (1)..(54)
351 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
354 <400> SEQUENCE: 19
355 gctgtatcgt caaggcactc ttgcctacgc caucagcucc aacuaccaca aguu          54
358 <210> SEQ ID NO: 20
359 <211> LENGTH: 37
360 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (1)..(37)
366 <223> OTHER INFORMATION: generated by glycosylase mediated cleavage of PCR amplified DNA
369 <400> SEQUENCE: 20
370 gctgtatcgt caaggcactc ttgcctacgc caccagc          37
373 <210> SEQ ID NO: 21
374 <211> LENGTH: 32

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/673,739

DATE: 01/04/2001

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Input Set : A:\ES.txt

Output Set: N:\CRF3\01042001\I673739.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

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